

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

921062-260379

Transmission (Auto)

PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

DIAGNOSIS

Recommendation

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the fluid.

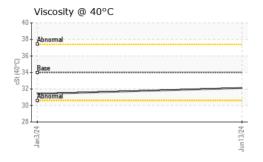
Fluid Condition

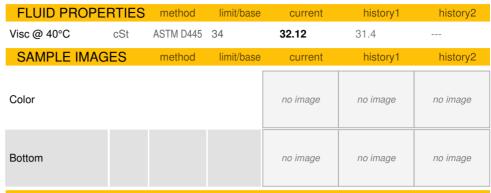
The condition of the fluid is acceptable for the time in service.

68 (GAL)			Jan 2024	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122828	GFL0102445	
Sample Date		Client Info		13 Jun 2024	03 Jan 2024	
Machine Age	hrs	Client Info		8748	7751	
Dil Age	hrs	Client Info		7751	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>160	75	84	
Chromium	ppm	ASTM D5185m	>5	<1	<1	
lickel	ppm	ASTM D5185m	>5	0	1	
itanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>5	0	0	
luminum	ppm	ASTM D5185m	>50	48	<u>^</u> 51	
ead	ppm	ASTM D5185m	>50	14	16	
Copper	ppm	ASTM D5185m	>225	28	32	
in	ppm	ASTM D5185m	>10	4	5	
anadium	ppm	ASTM D5185m		<1	0	
admium	ppm	ASTM D5185m		0	<1	
				-		
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES	nnm	method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m	limit/base	61	64	
oron arium	ppm	ASTM D5185m ASTM D5185m	limit/base	61 0	64 0	
oron arium Molybdenum	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1	64 0 1	
oron arium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1	64 0 1 2	
oron arium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1	64 0 1 2 2	
foron farium Molybdenum Manganese Magnesium Galcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1 <1	64 0 1 2 2 107	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1 <1 118 225	64 0 1 2 2 107 222	
foron farium folybdenum flanganese flagnesium falcium floosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1 <1 118 225 9	64 0 1 2 2 107 222 0	
foron farium folybdenum flanganese flagnesium falcium flosphorus finc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		61 0 <1 1 <1 118 225	64 0 1 2 2 107 222 0 1389	
oron arium lolybdenum langanese lagnesium alcium hosphorus inc ulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	61 0 <1 1 <1 118 225 9 1977 current	64 0 1 2 2 107 222 0 1389 history1	
oron arium folybdenum fanganese fagnesium ralcium hosphorus inc ulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	61 0 <1 1 <1 118 225 9 1977 current	64 0 1 2 2 107 222 0 1389 history1	
oron arium lolybdenum langanese lagnesium ralcium hosphorus inc ulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	61 0 <1 1 <1 118 225 9 1977 current 9	64 0 1 2 2 107 222 0 1389 history1 10 5	
foron larium Molybdenum Manganese Magnesium Palcium Phosphorus Inc Fulfur CONTAMINAN Istoium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	61 0 <1 1 <1 118 225 9 1977 current	64 0 1 2 2 107 222 0 1389 history1	history2
foron larium Molybdenum Manganese Magnesium Palcium Phosphorus Inc Fulfur CONTAMINAN Istoium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	61 0 <1 1 <1 118 225 9 1977 current 9	64 0 1 2 2 107 222 0 1389 history1 10 5	history2
oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur CONTAMINAN illicon odium otassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20	61 0 <1 1 <1 118 225 9 1977 current 9 10 4	64 0 1 2 2 107 222 0 1389 history1 10 5 4	history2
oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur CONTAMINAN illicon odium otassium VISUAL Vhite Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20 >20 limit/base	61 0 <1 1 <1 118 225 9 1977 current 9 10 4	64 0 1 2 2 107 222 0 1389 history1 10 5 4	history2
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oron arium lolybdenum langanese lagnesium calcium chosphorus inc ulfur CONTAMINAN ilicon odium otassium VISUAL Vhite Metal fellow Metal recipitate	ppm	ASTM D5185m method *Visual *Visual	limit/base >20 >20 limit/base NONE NONE	61 0 <1 1 118 225 9 1977 current 9 10 4 current NONE NONE	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE	history2 history2
foron farium folybdenum fanganese flagnesium falcium flosphorus finc fulfur CONTAMINAN folicon folium fotassium VISUAL fellow Metal frecipitate filt	ppm	ASTM D5185m MEthod ASTM D5185m Wethod *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE	61 0 <1 1 118 225 9 1977 current 9 10 4 current NONE NONE	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE NONE NONE	history2 history2
oron arium lolybdenum langanese lagnesium hosphorus inc ulfur CONTAMINAN ilicon odium otassium VISUAL //hite Metal fellow Metal recipitate ilt rebris	ppm	ASTM D5185m METHOD ASTM D5185m METHOD *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE	61 0 <1 1 11 118 225 9 1977 current 9 10 4 current NONE NONE NONE MODER	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE NONE NONE MODER	history2 history2
Boron Barium Molybdenum Manganese Magnesium Phosphorus Finc Bulfur CONTAMINAN Bolicon Bodium Potassium VISUAL White Metal Precipitate Bilt Debris Band/Dirt	ppm	ASTM D5185m METHOD ASTM D5185m ASTM D5185m METHOD *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE	61 0 <1 1 118 225 9 1977 current 9 10 4 current NONE NONE NONE NONE NONE NONE NONE NON	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE NONE NONE NONE NONE NONE NONE NONE NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Cinc Bulfur CONTAMINAN Bilicon Bodium Potassium VISUAL White Metal Precipitate Bilt Debris Band/Dirt	ppm	ASTM D5185m METHOD ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	61 0 <1 1 118 225 9 1977 current 9 10 4 current NONE NONE NONE NONE NONE NONE NONE NON	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2
Boron Barium Molybdenum Manganese Magnesium Phosphorus Zinc Sulfur CONTAMINAN Bilicon Bodium Potassium	ppm	ASTM D5185m ASTM D5185m MEthod ASTM D5185m ASTM D5185m ASTM D5185m *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	61 0 <1 1 118 225 9 1977 current 9 10 4 current NONE NONE NONE NONE NONE NONE NONE NON	64 0 1 2 2 107 222 0 1389 history1 10 5 4 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2

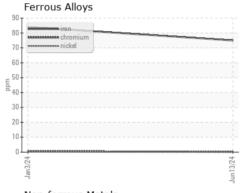


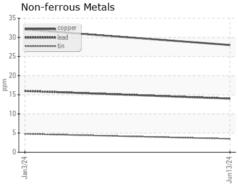
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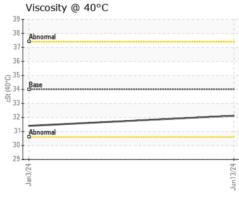




GRAPHS









Laboratory Sample No.

: GFL0122828 Lab Number : 06220469 Unique Number : 11098666

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 25 Jun 2024 Tested : 28 Jun 2024 Diagnosed

: 28 Jun 2024 - Jonathan Hester

22820 S State Route 291 Harrisonville, MO

GFL Environmental - 837 - Harrison TS

US 64701 Contact: SARA PATRICK spatrick@gflenv.com

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL837 [WUSCAR] 06220469 (Generated: 06/29/2024 08:41:30) Rev: 1

Submitted By: JEREMY BROWN

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